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IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) An apparatus comprising:
 - a first reservoir having a first buffer and a first electrode terminal;
 - a chamber coupled to the first reservoir and having a bottom plate and a top plate in parallel alignment and adapted to hold a separatory medium between the bottom plate and the top plate,
 - a second reservoir coupled to the chamber and having a second buffer and second electrode terminal; ~~and~~
 - a sample delivery device having a longitudinal axis and having a plurality of tabs extending orthogonally from the longitudinal axis, the sample delivery device adapted to couple with an opening of the second reservoir; and
 - an optical densitometer functionally coupled to the chamber.
2. (Original) The apparatus of claim 1 wherein the top plate includes glass or plastic.
3. (Original) The apparatus of claim 1 wherein the bottom plate includes glass or plastic.

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4. (Original) The apparatus of claim 1 wherein the top plate is separated from the bottom plate by less than 500 microns.
5. (Original) The apparatus of claim 1 wherein the top plate is separated from the bottom plate by approximately 190 microns.
6. (Original) The apparatus of claim 1 wherein the top plate has a first thickness and the bottom plate has a second thickness and wherein the first thickness is substantially greater than the second thickness.
7. (Original) The apparatus of claim 1 wherein the first electrode terminal is coupled to a first cover and wherein the second electrode terminal is coupled to a second cover.
8. (Original) The apparatus of claim 1 wherein the sample delivery device includes a membrane.
9. (Original) The apparatus of claim 1 wherein the sample delivery device includes a porous structure.
10. (Original) The apparatus of claim 1 wherein the sample delivery device includes a nanoporous membrane.

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11. (Original) The apparatus of claim 1 wherein the plurality of tabs includes at least 5 tabs.
12. (Original) The apparatus of claim 1 wherein the plurality of tabs includes between 50 and 200 tabs.
13. (Canceled)
14. (Canceled)
15. (Original) The apparatus of claim 1 wherein the first electrode terminal is coupled to an anode or cathode of a power supply.
16. (Original) The apparatus of claim 1 wherein the second electrode terminal is coupled to an anode or cathode of a power supply.
- 17-48. (Canceled)
49. (Currently amended) A system comprising:
a first reservoir having a first buffer and a first electrode terminal;

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a chamber coupled to the first reservoir and having a bottom plate and a top plate in parallel alignment;

a separation medium disposed between the bottom plate and the top plate;

a second reservoir coupled to the chamber and having a second buffer and a second electrode terminal and having an opening adapted to receive a membrane plurality of tabs; and

a sample delivery device having a longitudinal axis and having a plurality of tabs extending orthogonally from the longitudinal axis, wherein the plurality of tabs are disposed at least partially in the opening; and

an optical densitometer functionally coupled to the chamber.

50. (Original) The system of claim 49 wherein the sample delivery device includes a membrane.
51. (Original) The system of claim 49 wherein the sample delivery device includes a porous membrane.
52. (Original) The system of claim 49 wherein the sample delivery device includes a nanoporous membrane.

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- 53. (Original) The system of claim 49 wherein the separation medium includes a gel.
- 54. (Original) The system of claim 49 wherein the separation medium includes agarose.
- 55. (Original) The system of claim 49 wherein the separation medium includes agarose having a purity of between 0.01 and 30 percent.
- 56. (Original) The system of claim 49 wherein the separation medium includes agarose having a purity of between 0.05 and 5.0 percent.
- 57. (Original) The system of claim 49 wherein the separation medium includes linear polyacrylamide (LPA).
- 58. (Original) The system of claim 49 wherein the separation medium includes (LPA) having a purity between 0.05 and 10 percent.
- 59. (Original) The system of claim 49 wherein the separation medium includes a composite of agarose and linear ployacrylamide (LPA).

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60. (Original) The system of claim 49 wherein the separation medium is adapted to separate molecules in a molecular weight range of between 1,000 to 1,000,000,000.
61. (Original) The system of claim 49 wherein the separation medium is adapted to separate molecules in a molecular weight range of between 10,000 to 10,000,000.

Please add the following new claims 62-63:

62. (New) An apparatus comprising:
- a first reservoir having a first buffer and a first electrode terminal;
 - a chamber coupled to the first reservoir and having a bottom plate and a top plate in parallel alignment and adapted to hold a separatory medium between the bottom plate and the top plate;
 - a second reservoir coupled to the chamber and having a second buffer and second electrode terminal; and
 - a sample delivery device comprising:
 - (a) a comb having a longitudinal axis and comprising a plurality of tabs extending from an end of the comb orthogonal to the longitudinal axis; and

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(b) a reinforcer that at least partially overlaps with and is bonded to a side of the comb so as to form a laminate region of the sample delivery device.

63. (New) A system comprising:

a first reservoir having a first buffer and a first electrode terminal;

a chamber coupled to the first reservoir and having a bottom plate and a top plate in parallel alignment;

a separation medium disposed between the bottom plate and the top plate;

a second reservoir coupled to the chamber and having a second buffer and a second electrode terminal and having an opening adapted to receive a plurality of tabs; and

a sample delivery device comprising:

(a) a comb having a longitudinal axis and comprising a plurality of tabs extending from an end of the comb orthogonal to the longitudinal axis, wherein the plurality of tabs is disposed at least partially in the opening; and

(b) a reinforcer that at least partially overlaps with and is bonded to a side of the comb so as to form a laminate region of the sample delivery device.